



CITY OF SAN DIEGO

PURCHASING DIVISION
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

Bid No. 6175-03-E

REQUEST FOR BID

Bid Opening Date: July 10, 2003
@ 2:30 p.m.

Subject: Furnish the City of San Diego with **ABOVEGROUND DIESEL FUEL STORAGE TANKS**, as may be required, in accordance with the attached specifications.

Company _____	Name _____ [PRINT OR TYPE]
Federal Tax I.D. No. _____	Signature* _____
Street Address _____	Title _____
City _____	Date _____
State _____ Zip Code _____	
Tel. No. _____ Fax No. _____	<i>*Authorized Signature: The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to the terms of this agreement.</i>
E-Mail _____	

This cover page must be completed and submitted as part of your bid.

If your firm is not located in California, are you authorized to collect California sales tax? ☐ YES ☐ NO

If YES, under what Permit # _____

NOTE: The City of San Diego is subject to State Sales and Use Tax, but is exempt from Federal Excise Tax and will furnish exemption certificates upon request. Do not include Federal Excise or Sales Tax in your Bid.

If you are a Vendor located in the City of San Diego, a 1% sales tax refund to the City will be considered in evaluation of your bid.

Cash discount terms _____ % _____ days.
[Terms of less than 20 days will be considered as Net 30 for bid evaluation purposes.]

State delivery time required: _____ days after receipt of order.

The following addenda are acknowledged and incorporated in this submittal: _____

FOR FURTHER INFORMATION CONCERNING THIS BID

BEVERLY ASBILL-GUMBS/lr8, Procurement Specialist

Phone: (619) 236-5923 Facsimile: (619) 236-5904

E-mail: BAsbillgumbs@sandiego.gov

TABLE OF CONTENTS

I. Pricing Page	3
II. Terms And Conditions.....	4
A. Award.....	4
B. Submittals	4
C. Insurance Requirements.....	5
D. Equals Clause.....	6
E. References/Qualifications	6
F. General Provisions	6
G. Addenda	7
H. Exceptions.....	7
I. Bid Results	7
J. Request For Taxpayer Identification Number	7
K. Audit And Inspection Of Records.....	8
L. Assignment Of Contract	8
M. Drug-Free Workplace Policy	8
N. Americans With Disabilities Act	8
O. Equal Employment Opportunity	9
P. Nondiscrimination In Contracting	9
III. Specifications.....	10
A. General Requirements.....	10
B. Manufacturer's Literature	10
C. Applicable Publications	10
D. Certification	10
E. Delivery.....	11
F. Pricing.....	11
G. Materials	11
H. Pipe And Tubing	12
I. Lightweight Insulating Concrete.....	12
J. Tank Equipment.....	12
K. Products.....	13
Forms	
Bidder's References.....	18
Certification Survey	19
Attachments	
A – Model No. MHC-D1-750.....	20
B – Model No. MHR-D-1000A	21

I. PRICING PAGE

Item	Est. Qty.	U/M	Description	Unit Price	Extension
1.	5	EA	1,000 gallon double-wall steel rectangular AST fuel tanks, Modern Custom Fabrication brand Model #MHR-D-1000 (6'-0"W x 11'-1"L) or equal.	\$	\$
2.	1	EA	750 gallon double-wall steel cylindrical AST fuel tank, Modern Custom Fabrication brand Model # MH-D1-750 (4'-3"W x 14'-7"L) or equal.	\$	\$
TOTAL:				\$	\$

II. TERMS AND CONDITIONS

A. AWARD

This bid shall be awarded on an item by item basis, or in any group or combination of items, or as a lot, as may be in the best interest of the City.

B. SUBMITTALS

1. BID SUBMITTAL

Bids must be returned in a sealed envelope to the Purchasing Division, 1200 Third Avenue, Suite 200, San Diego, CA 92101. The bid number and opening date/time must be referenced on the outside of the envelope (lower left corner). Bids must be received by the Purchasing Reception Desk prior to bid opening at 2:30 p.m. on bid opening date. **Faxed bids will not be accepted.**

The original and one (1) copy of bid, including any attachments, shall be submitted.

2. SUBMITTALS REQUIRED WITH BID

Failure to provide the required submittals with the bid may be cause for the bid to be rejected as non-responsive.

- a. Bidder's References (as specified in Section II, paragraph E).
- b. One (1) Copy of Manufacturer's Literature (as specified in Section III, paragraph B).
- c. Certificate of Authorizaton for Fabricated Steel Vessels (as specified in Section III, paragraph D).
- d. Certificate of Authorization for Fabricated Steel Vessels from the American Society of Mechanical Engineers (as specified in Section III, paragraph D).
- e. Proof of Listing (as specified in Section III, paragraph K.1).
- f. Certification Survey (use form on page 20).

3. SUBMITTALS REQUIRED UPON PROVISIONAL AWARD

Failure to provide the following documentation within the time period specified may be cause for the provisional award to be voided and the bid to be rejected as non-responsive.

- a. Insurance requirements as specified in Section II, paragraph C.
- b. Taxpayer Identification Number (W-9) as specified in Section II, paragraph J, if not currently on file.

C. INSURANCE REQUIREMENTS

All required insurance shall be submitted to Purchasing within ten (10) days of provisional award. **Failure to provide the insurance certificates within the time frame specified by the City shall be cause for the bid to be rejected as non-responsive.** Insurance shall be maintained by the Contractor in full force and effect during the entire period of performance under contract. Failure to do so shall be cause for termination of the contract.

All policies must have a **thirty (30) day non-cancellation clause** giving the City thirty (30) days prior written notice in the event a policy is canceled.

At the end of each contract year, the City reserves the right to review insurance requirements and to require more or less coverage depending upon assessment of the risk, the vendor's past experience, and the availability and affordability of increased liability insurance coverage.

Insurance coverage must be from an insurance carrier licensed in the State of California and rated "A" or better by the A.M. Best Key Rating Guide.

The following coverage is required:

- **Commercial General Liability** for a minimum of one million dollars each occurrence (\$1,000,000.00 EO). **The City of San Diego must be named as an additional insured on the certificate.**
- **Workers' Compensation** coverage in accordance with the laws of the State of California. **Policy must contain a Waiver of Subrogation of Rights against the City of San Diego.**
- **Product Liability** for a minimum of one million dollars (\$1,000,000.00) combined single limit (CSL). Such policy shall be provided to the City of San Diego from the manufacturer of the equipment and/or goods to be provided by the Contractor. The Contractor shall be responsible for notifying the manufacturer of this requirement and for ensuring timely submittal.

D. EQUALS CLAUSE

Whenever reference to a specific brand name is made in these specifications, it is illustrative and to be construed as a specification which describes a component that has been tested or evaluated by the City as best meeting specific operational, design, performance, maintenance, quality, and reliability standards and requirements of the City, thereby incorporating these requirements by reference within the specification. An equivalent (“or equal”) may be offered by the Bidder, subject to testing or evaluation by the City prior to award of bid. The City shall be the sole judge of whether any proposed item will fulfill its requirements. It shall be the sole responsibility of the Bidder to provide, at Bidder’s expense, any product information, test data, and other information or documents the City may require to fully evaluate or demonstrate the acceptability of the offered substitute. Where appropriate, independent testing or evaluation (including destructive testing) may be required as a condition of acceptance at a qualified test facility at the Bidder’s expense.

E. REFERENCES/QUALIFICATIONS

Bidders are required to demonstrate successful performance for work of similar size and scope as specified in this contract during the past three (3) years. Bidders must also demonstrate that they are properly equipped to perform the work as specified in this contract.

To enable the City to evaluate the responsibility, experience, skill, and business standing of the Bidder, the following documents must be included with the bid submittal:

- Bidder’s References (use form on page 19).

Manufacturer shall be regularly engaged in the manufacture of UL Listed Steel Aboveground Tanks for Flammable and Combustible Liquids and have constructed at least five (5) tanks of equal or greater capacity within the last five (5) years.

F. GENERAL PROVISIONS

Except as otherwise specified herein, the City of San Diego General Provisions, dated September 12, 2001, (on file in the Office of the Purchasing Agent) are incorporated as part of this bid/proposal and any resulting contract by reference. The General Provisions are available online at www.sandiego.gov/purchasing or via request from the Purchasing Division by calling (619) 236-6000.

By signing and/or authorizing the bid submittal, the Bidder/Proposer acknowledges that they have read and understood the meaning, intent and requirements of said General Provisions; and acknowledge said General Provisions are included as a part of this bid/proposal.

In the event of any conflict between the City of San Diego General Provisions and the terms and conditions included in this bid/proposal, the terms and conditions of this bid/proposal shall prevail.

G. ADDENDA

It is the Bidders' responsibility to ensure that all addenda issued are incorporated in their bid submittal.

Failure to acknowledge and incorporate addenda will not relieve the Bidder of the responsibility to meet all terms and conditions of the specifications for price bid.

H. EXCEPTIONS

If a Bidder/Proposer takes any exception to any part of these specifications as written, or as amended by any Addenda subsequently issued, or the General Provisions, they must do so in writing. Said exceptions must be submitted with the bid/proposal. Failure to do so will be construed as acceptance of all provisions of the specifications and General Provisions.

I. BID RESULTS

Bid results **will not** be given out over the phone. To obtain bid results, either (1) attend the bid opening or (2) provide a self-addressed stamped envelope referencing the bid number. Envelopes may be submitted with the bid, or mailed directly to the Purchasing Division. They will be kept on file until the bid opens and the extensions are verified. Bid tabulations will generally be mailed to requester within **three (3) working days** after the bid opening to review bid tabulation.

J. REQUEST FOR TAXPAYER IDENTIFICATION NUMBER

I.R.S. regulations require the City of San Diego to have the correct name, address, and Taxpayer Identification Number (TIN) or Social Security Number (SSN) on file for businesses or persons who provide services or products to the City of San Diego. This information is necessary to complete Form 1099 at the end of each tax year.

In order to comply with I.R.S. regulations, the City of San Diego requires each vendor to provide a Form W-9 prior to award of contract. Failure to provide a completed Form W-9 within three (3) business days of the City's request may result in a bid being declared non-responsive and rejected.

K. AUDIT AND INSPECTION OF RECORDS

The Contractor, and any Subcontractors, shall make available upon request all records which in the opinion of the City Auditor are necessary to conduct an audit of this contract. Such records may include invoices, materials, payrolls, personnel records, and other data relating to all matters covered by this contract. The Contractor and Subcontractors shall retain such data and records for a period of not less than three (3) years following receipt of final payment. The Contractor shall make available all requested data and records at reasonable locations within the City or County of San Diego, at any time during normal business hours, and as often as the City deems necessary. If records are not made available within the City or County of San Diego, the Contractor shall pay the City's travel costs to the location where the records are maintained. Failure to make requested records available for audit by the date requested will result in immediate termination of contract.

L. ASSIGNMENT OF CONTRACT

Contractor shall not assign this contract, or any right or interest hereunder, without prior written consent of the City.

M. DRUG-FREE WORKPLACE POLICY

All City projects are subject to City of San Diego Council Policy No. 100-17, Drug-Free Workplace. This policy requires that all City construction contractors, consultants, grantees, and providers of non-professional services provide a drug-free workplace in accordance with the provisions contained therein.

The Drug-Free Workplace Policy is available online at www.sandiego.gov/purchasing or via request from the Purchasing Division by calling (619) 236-6000.

By signing and/or authorizing the bid submittal, the Bidder/Proposer acknowledges that they have read and understood the meaning, intent, and requirements of said policy; acknowledge said policy is incorporated as part of this bid/proposal; certify that they have a drug-free workplace program in place that complies with said policy; and that subcontractor agreements for this bid/proposal contain language which indicates the subcontractor's agreement to comply with this policy.

N. AMERICANS WITH DISABILITIES ACT

Every person or organization awarded a contract, lease, or grant by the City of San Diego acknowledges and agrees that they are aware of and will comply with Council Policy 100-04, adopted by Resolution No. 282153 relating to the Federally mandated Americans with Disabilities Act (ADA). Contractors and Subcontractors will be individually responsible for their own ADA program.

O. EQUAL EMPLOYMENT OPPORTUNITY

Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Contractor shall also ensure that their Subcontractors comply with the City's Equal Employment Opportunity Program. Contractor agrees to be bound by the City Of San Diego Equal Opportunity Ordinance (Municipal Code Chapter II, Article 2, Division 27).

Contractor shall submit a Work Force Report or an Equal Employment Opportunity Plan, within five (5) days of being notified by the Purchasing Division.

For questions regarding the City's Equal Employment Opportunity Program, contact the Equal Opportunity Contracting Office at (619) 533-4464.

P. NONDISCRIMINATION IN CONTRACTING

Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring or treatment of subcontractors, vendors or suppliers. Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment, or other sanctions. This language shall also be included in construction contracts between the contractor and any subcontractors, vendors, and suppliers.

As part of its bid proposal, Bidder shall provide to the City a list of all instances within the past ten (10) years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

Upon the City's request, Contractor agrees to provide to the City, within sixty (60) calendar days, a truthful and complete list of names of all subcontractors, vendors, and suppliers that Contractor has used in the past five (5) years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by contractor for each subcontract or supply contract. Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance (Municipal Code Sections 22.3401 - 22.3417). Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in remedies being ordered against the contractor up to and including contract termination, debarment, and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. Contractor further understands and agrees that the procedures, remedies, and sanctions provided for in the Nondiscrimination Ordinance apply only to violations of said Nondiscrimination Ordinance.

For questions regarding the City's Nondiscrimination in Contracting Ordinance, contact the Equal Opportunity Contracting Office at (619) 533-4464.

III. SPECIFICATIONS

A. GENERAL REQUIREMENTS

Contractor shall provide and set in place Aboveground steel fuel Storage Tank(s) (ASTs) in accordance with the quantity, size, and arrangement shown on the drawings within this bid document.

B. MANUFACTURER'S LITERATURE

Three (3) bound sets (one (1) with bid and two (2) at time of delivery), each including manufacturer's product data sheets, installation instructions, certificates of compliance with testing requirements, engineering data, and equipment specifications for the AST system.

C. APPLICABLE PUBLICATIONS

1. National Fire Protection Association
NFPA 30- Flammable and Combustible Liquids Code, 1990 Edition
2. Uniform Fire Code (UFC), 1994 Edition UFC Standard A-II-F-I (formerly known as UFC Standard 79-7)
3. Uniform Building Code (UBC), 1991 Edition
Chapter 23 - General Design Requirements
4. Underwriters Laboratories Inc.
STD 142 - Steel Aboveground Tanks for Flammable and Combustible Liquids
STD 2085 - Protected Tank Standard
Southwest Research Institute
SwRI Standard 95-03 and 93-01 - Testing Requirements for Protected Aboveground
Flammable Liquid/Fuel Storage Tanks

D. CERTIFICATION

In order to establish minimum standards of fabrication and welding quality, the tank(s), their protection systems, and their insulation systems shall be produced only by a manufacturer that possesses a current Certificate of Authorization for Fabricated Steel Vessels from the American Society of Mechanical Engineers, a copy of this certification shall be submitted with the bid. A tank vault structure that is manufactured on the job site shall not be utilized unless the manufacturer's listing for the entire protected tank assembly includes on-site inspection and certification of each tank by the nationally recognized laboratory issuing the listing.

E. DELIVERY

Contractor shall include with each delivery the Manufacturer's certification of listing and compliance with NFPA 30 and the UFC. The delivered tank system shall comply with the requirements of NFPA 30, the UFC. The tank shall carry a label from a nationally recognized independent test laboratory showing approval for UFC Standard A-II-F-I (formerly known as UFC Standard 79-7) and shall state that the fire, hose, steam, ballistics, and impact tests were all performed on a single fully-assembled test tank. Contractor shall hold delivery of finished tanks until contacted by the City. The City will contact the Contractor forty-eight (48) hours prior to delivery. The estimated delivery date is no later than September 15, 2003.

Delivery Locations:

Fire Station 14
4011 32nd Street
San Diego, CA 92104

Fire Station 17
4206 Chamoune Avenue
San Diego, CA 92115

Fire Station 18
4676 Felton Street
San Diego, CA 92116

Fire Station 33
16966 Bernardo Center Drive
San Diego, CA 92128

Fire Station 36
5855 Chateau Drive
San Diego, CA 92117

Fire Station 41
4914 Carroll Canyon Road
San Diego, CA 92037

F. PRICING

Pricing shall be FOB Destination including delivery and set up of tanks on concrete foundation pads. Price shall include all materials, labor, transportation, supervision, overhead, taxes, profit, and any and all other expenses related to the specified project.

G. MATERIALS

All materials and equipment used in this project shall be new and shall meet or exceed the following specifications.

1. Steel Plate

All steel plates used in the construction of the protected aboveground storage tank and related accessories shall conform to ASTM A36.

2. Steel Sheet

All steel sheets used in the construction of the protected AST and related accessories shall conform to ASTM A570 Grade 33.

H. PIPE AND TUBING

All pipe used in the construction of the protected AST and related accessories shall conform to ASTM A120 or ASTM A53 Grade B. All tubing used in the construction of the protected AST and related accessories shall conform to ASTM A179. All couplings, unions, elbows, tees, and fittings used in the construction of the protected AST and related accessories shall conform to the ASTM standards appropriate for the pipe or tubing being connected.

I. LIGHTWEIGHT INSULATING CONCRETE

The insulating concrete used in the construction of the protected AST shall include all of the ingredients stated below. Cementitious slurries that lack aggregate or include foam fillers are not concrete and will not be acceptable.

1. Cement

Cement shall be Type II or Type III Portland cement or plastic cement mixed in a minimum cement/aggregate ratio of one (1) to eight (8).

2. Aggregate

Aggregate shall be suitable for use in insulating concrete for high temperature applications and conform to applicable ASTM standards. The aggregate shall be properly graded and mixed in the necessary proportion to achieve an oven dry concrete weight of 28-34 pounds per cubic foot, a minimum twenty-eight (28) day concrete compressive strength of 200 psi, and a minimum concrete insulating R-value of 1.0 per inch of thickness.

3. Water

Water used in the insulating concrete mix shall be clean fresh water and shall not be added in greater quantities than specified in the concrete mix specification to achieve the specified properties.

J. TANK EQUIPMENT

The equipment that is used on the tank as part of its listing requirements or as part of fuel transfer, storage, or dispensing systems shall meet the following requirements:

1. All equipment installed on the tank shall be designed for use in fuel storage and dispensing systems, and shall be compatible with other tank components and fuel to be dispensed.
2. Except for the fuel filters, all equipment that is part of the tank pumping or dispensing system shall be UL Listed for use with flammable and combustible liquids.

K. PRODUCTS

1. Protected Aboveground Storage Tank

The protected aboveground storage tank shall be constructed with materials conforming to the specifications in Section III.-G thru J and the entire assembly shall be listed by a nationally recognized testing laboratory. Proof of listing shall be submitted with the bid. The protected AST shall be listed as a 4 Hour Fire Rated Protected Aboveground Storage Tank in accordance with SwRI Standard 93-01 and UFC Standard A-II-F-1 (formerly known as UFC Standard 79-7). The protected AST shall be designed and constructed in conformance with NFPA 30 and UFC and shall consist of a steel internal tank surrounded by a 6" layer of lightweight insulating concrete protected by an outer steel tank and shall meet or exceed the following minimum specifications:

- a. The primary tank shall be constructed of steel plate not less than 3/16" thick for tanks with a total capacity of 4,000 gallons or less and not less than 1/4" for tanks with a total capacity over 4,000 gallons. However, in no case shall the tank be thinner than specified by UL Standard 142.
- b. The tank fill connection shall be equipped with an overfill receptacle of not less than 15 gallons. The receptacle shall be insulated from the primary tank by no less than 5 1/2" of insulating concrete. The receptacle shall be provided with a hinged lockable cover.
- c. Insulation and physical protection shall be provided to the primary tank.
- d. The insulative system shall consist of 6" of lightweight insulating concrete that is protected from the elements and enclosed by a steel tank which shall be constructed of steel not less than 3/16" thick. This outer tank shall be so constructed that it will be leak tight.
- e. The insulative system shall provide thermal protection to all parts of the primary tank except for nozzles that are allowed to penetrate the insulation. There shall be no metal-to-metal connections of the outer tank to the internal tank except at the nozzles.
- f. The protected tank assembly shall be constructed in accordance with a design that has been tested by a nationally recognized laboratory and is listed to maintain the primary tank average temperature rise below 260°F and the primary tank maximum temperature below 400°F after four (4) hours of exposure to a 2000°F oven.
- g. The protected tank assembly shall be constructed in accordance with a design that has been tested by a nationally recognized laboratory and is listed to provide resistance, immediately after successful completion of the oven test specified in section K.1-f above, to impingement by the hose stream specified in UBC Standard 43-1 without penetration of the primary tank.

- h. The protected tank assembly shall be constructed in accordance with a design that has been tested by a nationally recognized laboratory and is listed to meet or exceed, after successful completion of the hose stream test specified in section K.1-g above the bullet resistance specifications in 1991 Uniform Fire Code Section 77.203(d) (2) without penetration of the primary tank.
 - i. The protected tank assembly shall be constructed in accordance with a design that has been tested by a nationally recognized laboratory and is listed to provide resistance, after successful completion of the bullet resistance test specified in K.1-h above, to an impact of 12,000 pounds traveling ten (10) mph at 18" above the ground surface without penetration of the primary tank.
 - j. The tests required in Items f, g, h, and i shall be performed on a single fully-assembled test tank. After completion of the tests, the tank must pass a pressure test on the primary tank.
 - k. The protected tank assembly shall be constructed with integral supports that provide the capability to rigidly anchor the tank to its concrete foundation for resistance to seismic loads.
 - l. The tank shall be equipped with the necessary supports and brackets to mount the dispensing pump so that the meter dials and nozzle handle are no higher than 60" above the base of the tank.
 - m. Except for the vent riser pipe and access assembly if any, the tank shall be completely fabricated and assembled at the manufacturer's facility.
 - n. The external surfaces of the outer tank, nozzles, and supports shall be protected from the elements with two (2) coats of a high performance industrial epoxy and urethane coating system. The total minimum dry film thickness shall be 4 mils. The color shall be light ivory or white.
 - o. The protected aboveground storage tanks shall be model MHR-D-1000 and MH-D1-750, as manufactured by Modern Custom Fabrication or an approved equal.
2. Fuel Pump, Hose, And Nozzle
- a. Dispensing equipment shall comply with Article 79, Division IX of the Uniform Fire Code.
 - b. The fuel pump shall be a UL Listed cabinet type pump with a minimum of 1/3 HP operating on 110V AC and capable of delivering not less than 10 gpm. The pump shall be Fill-Rite FR702 or approved equal.
 - c. Pump shall be top-mounted.
 - d. The pump shall be equipped with a filter adaptor and filter element designed for use in a fuel dispensing system and compatible with the fuel being dispensed.
 - e. All nozzles shall be of the automatic shutoff type. The nozzles shall be OPW IIA (diesel), or approved equal.

- f. The hose used for the system shall be UL Listed and designed for use with flammable and combustible liquid dispensing systems. The hose shall be a minimum of 12' in length and shall be ¾" Thermoid 1481 (diesel), or approved equal.
3. Automatic Shutoff Device For Tank Fill Nozzle Of Fuel Tanks
 - a. The tank shall be equipped with an automatic shutoff device capable of stopping transfer of fuel to the tank when the fluid level in the tank reaches a preset level. The device must be capable of stopping fuel flow under delivery conditions of 50 gpm at 100 psi; devices that only limit flow are not acceptable. The device shall be set to close when the liquid level in the tank reaches 85% of the tank capacity.
 - b. The automatic shutoff device shall be the F-30 valve as manufactured by Clay & Bailey, or approved equal.
4. Tank Fittings For Filling And Vapor Recovery
 - a. The tank shall be equipped with the appropriate cam-lock adaptors to allow leak-tight, vapor-tight connection from the fuel delivery truck to the tank fill port. The adaptor shall be securely fastened to the automatic shutoff device installed in the fill port. The adaptor shall be furnished with a locking cap that when installed, will make a vapor-tight seal on the fill port.
 - b. Systems shall be equipped with the cam-lock adaptors to allow leak tight vapor-tight connection from the fuel delivery truck's vapor hose to the tank vapor space. The adaptor shall be furnished with a locking cap that when installed, will make a vapor-tight seal on the vapor return nozzle.
 - c. The cam-lock adaptors and caps shall be designed for use with flammable and combustible liquid dispensing systems and shall be as manufactured by Morrison Bros., or approved equal.
5. Tank Vents
 - a. Normal Vents.

Each compartment of the primary tank shall be equipped with a normal venting device sized in accordance with the requirements of NFPA 30 and UFC. The venting device shall be installed so that it exhausts upward at an elevation no less than 12' above the ground. Normal vents for diesel tanks may be of the free flow type.
 - b. Emergency Vents.

The secondary containment tank and each compartment of the primary tank shall be equipped with an emergency vent sized in accordance with NFP A 30 and UFC. The venting devices shall be capable of relieving the maximum required flow rate in accordance with UFC requirements.

6. Gaging

- a. The tank shall be equipped with a float actuated level gage capable of indicating the approximate fluid level in the tank.
- b. The tank shall be furnished with a gauge stick graduated in increments no larger than $\frac{1}{8}$ ". The gauge stick shall be suitable for use with flammable and combustible liquids and shall be sized to provide a minimum of 2' of exposed stick when the stick is completely inserted into a tank nozzle. The gauge stick shall be accompanied by a gauge chart, graduated in increments of $\frac{1}{4}$ " or less, that specifies the quantity of fluid in the tank at each interval.

7. Monitor Port

- a. The tank shall be equipped with a monitor port that may be utilized for the detection of leaks from the primary tank into the secondary containment tank. The monitor port shall be a minimum of 2" steel pipe rigidly attached to the tank and suitable for manual or automatic electronic monitoring.
- b. The monitor port shall be furnished with a lockable cap and shall be marked to clearly indicate that it is not a fill port.

8. Access Platform

Bidders shall furnish a stand-alone access platform for each tank that meets the following minimum requirements :

- a. The access platform shall provide a working surface not smaller than 24" in width and 20" in length.
- b. The access platform work surface shall be not more than 36" below the top of the tank.
- c. The design of the steps and platform shall conform to all applicable requirements of OSHA and CAL/OSHA.

9. Signage Required

- a. Each tank shall be provided with signs affixed to the tank exterior in a visible location. The signs shall generally be of red letters on a white background with minimum size as stated. The signs shall indicate the following:
 - (1) "NO SMOKING" on all approachable sides (3" high, $\frac{1}{2}$ " stroke).
 - (2) "FLAMMABLE LIQUID" on all approachable sides (3" high, $\frac{1}{2}$ " stroke).
 - (3) "SIMULTANEOUS TANK FILLING AND FUEL DISPENSING IS PROHIBITED" near the fill port (1" high, $\frac{3}{16}$ " stroke).
 - (4) Warning labels conforming to NFPA 704 Hazard Labeling System shall be on all approachable sides (12" square, NFPA standard style and colors).

- (5) Each tank shall be provided with a label indicating its empty lifting weight (1" high, 3/16" stroke).
- b. For tanks used for fuel dispensing, each compartment shall be provided with labels affixed to the tank exterior indicating the following information:
 - (1) "xxxx Gallons" where "xxxx" is the actual compartment capacity.
 - (2) "Caution: This tank to contain only petroleum products" at the fill port.
 - (3) "DIESEL" at the fill port (1" high, 3/16" stroke, red letters on white).
 - (4) "DIESEL" on the dispenser (3/4" high, 1/8" stroke, red letters on white).
 - (5) "Fill" at the fill port.
 - (6) "Vent" at the vent riser.
 - (7) "Emer. Vent" at the emergency vent fitting.
 - (8) "Monitor Tube" or "Test Well" at the monitor tube.
 - (9) "Vapor Return" at the vapor return fitting.

10. Equipment

Equipment packages shown on the drawings shall include the following items:

a. Diesel Dispensing Systems

- (1) Fuel pump, hose, and nozzle swivel, break away hose connector and hose nozzle (diesel).
- (2) Suction tube for fuel pump.
- (3) Filter adaptor and filter element for diesel.
- (4) Hose retractor with support post.
- (5) Automatic shutoff device on fill port.
- (6) Spill containment pan on fill port.
- (7) Tank fittings for fill port including cap.
- (8) Normal vent with riser for primary tank.
- (9) Primary tank emergency vent valve.
- (10) Tank level gauge, gauge stick and gauge chart.
- (11) Monitor port with lockable cap.
- (12) Tank signage.
- (13) All necessary piping, tubing, fittings, and brackets required to complete the installation of all specified equipment. Any unused tank openings shall be sealed with a SCH 40 steel pipe cap.
- (14) Vapor tight cam-lock fittings and caps for fill port and vapor recovery connection pressure/vacuum vent valve with riser for primary tank.

BIDDER'S REFERENCES

The bidder is **required** to provide a minimum of three (3) references where work of a similar size and nature was performed within the past three (3) years. This will enable the City of San Diego to judge the responsibility, experience, skill, and business standing of the bidder.

REFERENCES

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar Value of Contract: \$ _____ Contract Dates: _____

Requirements of Contract: _____

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar Value of Contract: \$ _____ Contract Dates: _____

Requirements of Contract: _____

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar Value of Contract: \$ _____ Contract Dates: _____

Requirements of Contract: _____

Certification Survey

For Small, Ethnically and Culturally Diverse,
Woman, Disadvantaged, Disabled Veteran, Or Other Businesses

All Contractors are required to complete this form and return it with their bid package.

Company Name: _____

Mailing Address: _____

Telephone No.: (_____) _____

E-Mail Address: _____

1. Contractor's company is **currently** certified as small, ethnically and culturally diverse, woman, disadvantaged, disabled veteran, or other business? ☐ Yes ☐ No

Certification Number/Agency: _____

2. Contractor's company has applied for certification? ☐ Yes ☐ No

If yes, which agency? _____

3. Contractor's company is an independently owned business? ☐ Yes ☐ No

4. Contractor's company is 51% or more owned by a socially, economically, disadvantaged individual*? ☐ Yes ☐ No

5. SIC Code: _____

6. Number of Employees: _____

7. Annual Gross Receipts (three year average): _____

8. This is not an application for certification. If you would like to receive an application for certification, please check box: ☐

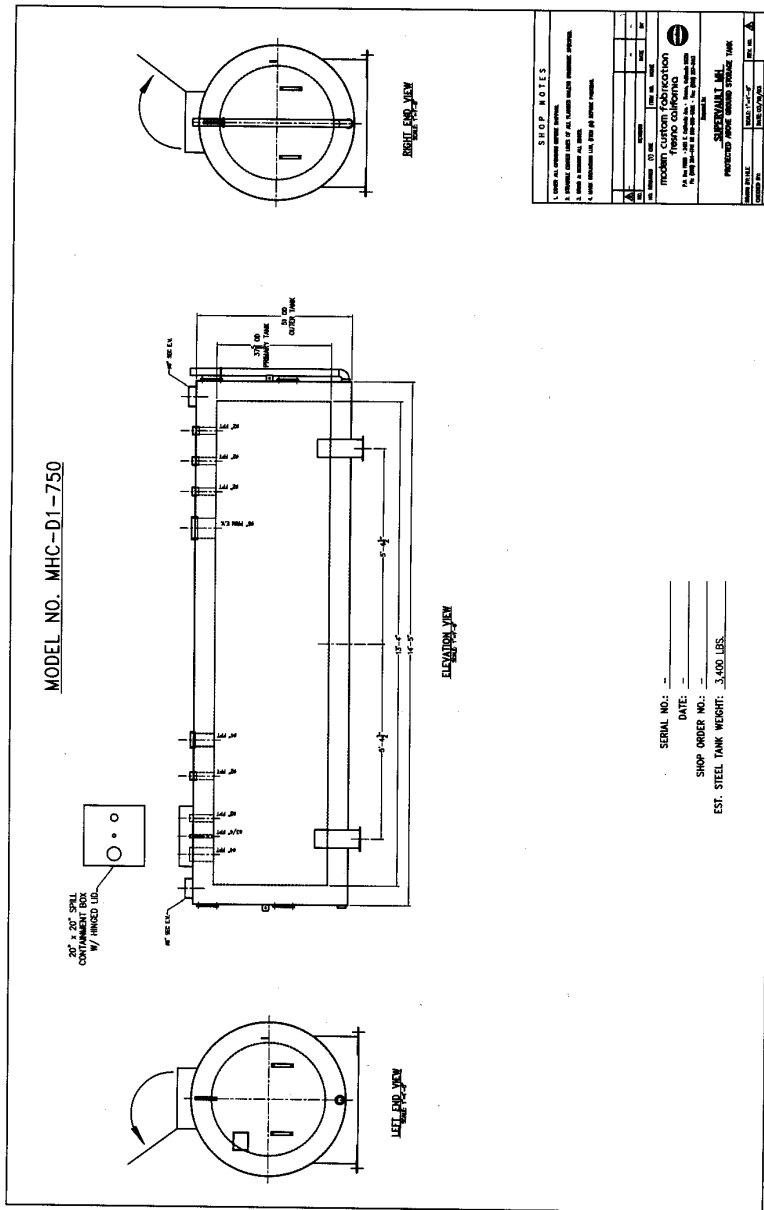
I certify that this information is correct: _____

Authorized Signature

(Date)

* Black Americans, Native Americans, Hispanic Americans, Asian-Pacific Americans, Subcontinent Asian Americans, Women, any additional groups whose members are designated as socially and economically disadvantaged by the Small Business Administration (SBA) at such time as the SBA designation becomes effective.

ATTACHMENT A



ATTACHMENT B

